AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application:

LISTING OF CLAIMS:

Claims 1 to 23. (Canceled).

24. (Previously Presented) A solder alloy based on nickel, comprising at least the following elements:

chromium, cobalt, molybdenum and nickel.

- 25. (Previously Presented) The solder alloy according to claim 24, wherein the nickel is in a proportion of 63 to 86 wt.%, the chromium is in a proportion of 5 to 17 wt.%, the cobalt is in a proportion of 8 to 15 wt.%, and the molybdenum is in a proportion of 1 to 5 wt.%.
- 26. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes aluminum.
- 27. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes aluminum in a proportion of 2 to 8 wt.%.
- 28. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes at least one of (a) tantalum in a proportion of 1 to 8 wt.% and (b) niobium in a proportion of 0.1 to 2 wt%.
- 29. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes at least one of (a) palladium in a proportion of 0.5 to 5 wt.% and (b) yttrium in a proportion of 0.1 to 1 wt%.
- 30. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes at least one of (a) hafnium in a proportion of 1 to 5 wt.% and (b) silicon in a proportion of 0.1 to 1 wt%.

- 31. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes boron.
- 32. (Previously Presented) The solder alloy according to claim 24, wherein the solder alloy additionally includes boron in a proportion of 0.5 to 2.5 wt.%.
- 33. (Previously Presented) The solder alloy according to claim 24, wherein the chromium is in a proportion of 5 to 17 wt.%, the cobalt is in a proportion of 8 to 15 wt.% and the molybdenum is in a proportion of 1 to 5 wt.%;

wherein the solder alloy additionally includes aluminum in a proportion of 2 to 8 wt.%, tantalum in a proportion of 1 to 8 wt.%, niobium in a proportion of 0.1 to 2 wt.%, yttrium in a proportion of 0.1 to 1 wt.%, hafnium in a proportion of 1 to 5 wt.%, palladium in a proportion of 0.5 to 5 wt.%, boron in a proportion of 0.5 to 2.5 wt.% and silicon in a proportion of 0.1 to 1 wt.%; and

wherein the nickel is in a residual proportion such that a sum of the portions yields 100 wt.%.

34. (Previously Presented) The solder alloy according to claim 24, wherein the chromium is in a proportion of 9 to 11 wt.%, the cobalt is in a proportion of 9 to 11 wt.% and the molybdenum is in a proportion of 3.5 to 4.5 wt.%;

wherein the solder alloy additionally includes aluminum in a proportion of 3.5 to 4.5 wt.%, tantalum in a proportion of 1.5 to 2.5 wt.%, niobium in a proportion of 0.5 to 1.5 wt.%, yttrium in a proportion of 0.1 to 0.5 wt.%, hafnium in a proportion of 3.5 to 4.5 wt.%, palladium in a proportion of 3.5 to 4.5 wt.% and boron in a proportion of 1.5 to 2.0 wt.%; and

wherein the nickel is in a residual proportion such that a sum of the portions yields 100 wt.%.

35. (Previously Presented) A method, comprising:

repairing a component of a gas turbine of one of (a) an aircraft engine and (b) a stationary gas turbine with a solder alloy based on nickel, the solder alloy including at least the following elements: chromium, cobalt, molybdenum and nickel.

- 36. (Previously Presented) The method according to claim 35, wherein the component of the gas turbine includes a guide blade of the gas turbine.
- 37. (Previously Presented) A multi-component soldering system, comprising: a solder alloy based on nickel, the solder alloy including at least the following elements: chromium, cobalt, molybdenum and nickel; and

at least one additive material, a melting range of the at least one additive material being above a melting point of the solder alloy.

- 38. (Previously Presented) The multi-component soldering system according to claim 37, wherein the additive material corresponds to one of (a) a nickel-based alloy and (a) a cobalt-based alloy.
- 39. (Previously Presented) The multi-component soldering system according to claim 37, wherein the additive material is nickel-based and includes, in addition to nickel, at least one of the following elements:

chromium in a proportion of up to 30 wt.%; cobalt in a proportion of up to 20 wt.%; tungsten in a proportion of up to 15 wt.%; molybdenum in a proportion of up to 10 wt.%; aluminum in a proportion of up to 10 wt.%; tantalum in a proportion of up to 10 wt.%; titanium in a proportion of up to 10 wt.%; rhenium in a proportion of up to 10 wt.%; iron in a proportion of up to 5 wt.%; niobium in a proportion of up to 5 wt.%; yttrium in a proportion of up to 5 wt.%; hafnium in a proportion of up to 5 wt.%; palladium (Pd) in a proportion of up to 5 wt.%; carbon in a proportion of up to 1 wt.%; zirconium in a proportion of up to 1 wt.%; boron in a proportion of up to 1 wt.%; and silicon in a proportion of up to 1 wt.%; and

wherein the additive material includes nickel in a residual proportion such that a sum of the portions yields 100 wt.%.

40. (Previously Presented) The multi-component soldering system according to claim 37, wherein the additive material is nickel-based and includes, in addition to nickel, at least one of the following elements:

chromium in a proportion of 13.7 to 14.3 wt.%; cobalt in a proportion of 9 to 10 wt.%; tungsten in a proportion of 3.7 to 4.3 wt.%; molybdenum in a proportion of 3.7 to 4.3 wt.%; aluminum in a proportion of 2.8 to 3.2 wt.%; titanium in a proportion of 4.8 to 5.2 wt.%; carbon in a proportion of 0.15 to 0.19 wt.%; zirconium in a proportion of 0.03 to 0.1 wt.%; and boron in a proportion of 0.01 to 0.02 wt.%; and

wherein the additive material includes nickel in a residual proportion such that a sum of the portions yields 100 wt.%.

41. (Previously Presented) A method, comprising:

repairing a component of a gas turbine of one of (a) an aircraft engine and (b) a stationary gas turbine with a multi-component soldering system, the multi-component soldering system including:

a solder alloy based on nickel, the solder alloy including at least the following elements: chromium, cobalt, molybdenum and nickel; and at least one additive material, a melting range of the at least one additive material being above a melting point of the solder alloy

- 42. (Previously Presented) The method according to claim 41, wherein the component of the gas turbine includes a guide blade of the gas turbine.
- 43. (Previously Presented) A method for processing a workpiece, comprising: soldering the workpiece with one of (a) a solder alloy and (b) a multi-component soldering system including the solder alloy, the solder alloy based on

nickel and including at least the following elements: chromium, cobalt, molybdenum and nickel.

- 44. (Previously Presented) The method according to claim 43, wherein the processing includes at least one of (a) repairing and (b) manufacturing the workpiece.
- 45. (Previously Presented) The method according to claim 43, wherein the workpiece includes a guide blade of a gas turbine.
- 46. (Previously Presented) The method according to claim 43, wherein the soldering includes high-temperature diffusion soldering.
- 47. (Previously Presented) The method according to claim 46, wherein the high-temperature diffusion soldering includes:

heating under one of (a) a vacuum and (b) a protective gas to a temperature of 1200 to 1260°C with a subsequent holding time of 15 to 60 min;

cooling under one of (a) a vacuum and (b) a protective gas to a temperature of 1100 to 1140°C with a subsequent holding time of approximately 240 min; and cooling under one of (a) a vacuum and (b) a protective gas to a temperature of 1080 to 1120°C with a subsequent holding time of approximately 60 min.

- 48. (Previously Presented) The method according to claim 46, wherein the high-temperature diffusion soldering is followed by a heat treatment including heating under one of (a) a vacuum and (b) a protective gas to a temperature of 1065 to 1093°C with a subsequent holding time of approximately 240 min.
- 49. (Previously Presented) The method according to claim 48, wherein the heat treatment is performed during a coating process.
- 50. (Previously Presented) The method according to claim 46, wherein the high-temperature diffusion soldering is followed by a heat treatment including heating under one of (a) a vacuum, (b) a protective gas and (c) ambient atmosphere to a temperature of 871 to 927°C with a subsequent holding time of 60 to 960 min.

- 51. (Previously Presented) The method according to claim 50, wherein the heat treatment is performed during an aging process.
- 52. (New) The method according to claim 35, wherein the solder alloy is the solder alloy according to claim 24.
- 53. (New) The multi-component soldering system according to claim 37, wherein the solder alloy is the solder alloy according to claim 24.
- 54. (New) The method according to claim 41, wherein the solder alloy is the solder alloy according to claim 24.
- 55. (New) The method according to claim 43, wherein the solder alloy is the solder alloy according to claim 24.